

**U.S. Pat. Appl. Ser. No. 10/519,727  
Attorney Docket No. 10191/3658  
Supplemental/Replacement Reply to  
Office Action of April 2, 2008**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-11. (Canceled).

12. (Currently Amended) A method for calibrating sensors in a motor vehicle, comprising:

calibrating at least two sensors, the at least two sensors each being of a different sensor type; and

from the detection by a first one of the at least two sensors, determining data regarding the detection by a second one of the at least two sensors;

wherein the calibration includes using each of the at least two sensors to detect at least one part of a common calibration object, and

wherein different ones of the at least two sensors detect different parts of the calibration object.

13. (Previously Presented) The method of claim 12, wherein calibration data are determined in a single operation.

14. (Previously Presented) The method of claim 13, wherein calibration includes:

aligning the at least two sensors such that the calibration object is in a detection range of each of the at least two sensors; and

determining the calibration data for the at least two sensors from data regarding the detected calibration object.

15. (Previously Presented) The method of claim 14, wherein the calibration data is stored and further processed.

16. (Previously Presented) The method of claim 14, wherein data regarding the calibration object measured by at least one additional sensor is used as a reference data for determining the calibration data of one of the at least two sensors and wherein the calibration

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**Attorney Docket No. 10191/3658**  
**Supplemental/Replacement Reply to**  
**Office Action of April 2, 2008**

data of the one of the at least two sensors is formed by the reference data and data regarding the calibration object measured by the one of the at least two sensors.

17. (Previously Presented) The method of claim 14, wherein the at least two sensors include at least one image sensor system and at least one radar sensor.

18. (Currently Amended) A system for calibrating sensors in a motor vehicle, comprising:

at least two sensors;

at least one analyzing unit; and

a calibration object[[,]];

wherein the at least one analyzing unit is the system configured for detecting at least a part of the calibration object by each of the at least two sensors, and from the detection by a first one of the at least two sensors, determining data regarding the detection by a second one of the at least two sensors[;,],

wherein the analyzing unit calibrates the at least two sensors using data of the detection of the at least a part of the calibration object, and

wherein different ones of the at least two sensors detect different parts of the calibration object.

19. (Currently Amended) A calibration system for calibrating sensors in a motor vehicle, comprising:

at least two sensors;

an analyzing unit; and

wherein the analyzing unit is configured for detecting at least a part of a first reference feature by each of the at least two sensors, and from a detection by a first one of the at least two sensors, determining data regarding the detection by a second one of the at least two sensors,

wherein the analyzing unit calibrates the at least two sensors using data of the detection of the at least a part of the first reference feature,

wherein different ones of the at least two sensors detect different parts of the first reference feature, and

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**Attorney Docket No. 10191/3658**  
**Supplemental/Replacement Reply to**  
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wherein the [[a]] first reference feature is adapted to be detected by the at least two sensors for calibration of the at least two sensors, the at least two sensors each being of a different sensor type.

20. (Previously Presented) The calibration system of claim 19, wherein the spatial position of the first reference feature is at least one of: a) preset, and b) usable for determining calibration data of the at least two sensors in one operation.

21. (Currently Amended) The calibration system of claim 19, ~~further comprising:~~  
wherein a second reference feature is adapted to be detected by the at least two sensors for the calibration of the at least two sensors[;], and

wherein[[;]] the at least two sensors include at least one image sensor and at least one radar sensor[[;]], and the first and second reference features are included in a single calibration object.

22. (Previously Presented) The calibration system of claim 19, wherein the first reference feature includes at least one triple mirror.

23. (Previously Presented) The calibration system of claim 22, wherein the triple mirror includes calibration marks.

24. (Canceled).